

What is claimed is:

1. A monoclonal antibody against canine trypsin or a canine trypsin-related substance.

2. The monoclonal antibody according to Claim 1 which is an antibody to at least one member selected from the group consisting of canine cationic trypsinogen, canine anionic trypsinogen, canine cationic trypsin, canine anionic trypsin and canine trypsin-related substances derived therefrom.

3. The monoclonal antibody according to Claim 1 which is an antibody to at least one member selected from the group consisting of (a) a protein of SEQ ID NO: 1 or SEQ ID NO: 2 in the Sequence Listing, or a salt thereof and (b) a peptide fragment thereof, or a salt thereof.

4. The monoclonal antibody according to any of Claims 1 to 3 which is an antibody to at least one member selected from the group consisting of canine cationic trypsinogen, canine cationic trypsin, and canine cationic trypsin-related substance derived therefrom.

5. The monoclonal antibody according to any of Claims 1 to 3 which is an antibody to at least one member selected from the group consisting of

(1) a Thr¹⁶ to Ser²⁴⁷ amino acid sequence of SEQ ID NO:1 in the Sequence Listing,

(2) an Ile²⁴ to Ser²⁴⁷ amino acid sequence of SEQ ID NO:1 in the Sequence Listing,

(3) a Phe¹⁶ to Asn²⁴⁶ amino acid sequence of SEQ ID NO:2 in the Sequence Listing, and

(4) an Ile²⁴ to Asn²⁴⁶ amino acid sequence of SEQ ID NO:2 in the Sequence Listing.

Sub
92

Cont
Sub
A2

6. ~~An immunoassay for trypsin and/or trypsin-like immunoreactivity (TLI) which comprises using an assay reagent containing the monoclonal antibody according to any of Claims 1 to 5.~~

7. The immunoassay according to Claim 6 wherein the trypsin-like immunoreactivity (TLI) is a member selected from the group consisting of trypsinogen, trypsin and their complexes with inhibitors.

Sub
A3

8. ~~An immunoassay reagent for trypsin and/or trypsin-like immunoreactivity (TLI) which comprises an effective amount of a monoclonal antibody according to any of Claims 1 to 5.~~

9. The immunoassay reagent according to Claim 8 wherein the trypsin-like immunoreactivity (TLI) is a member selected from the group consisting of trypsinogen, trypsin and their complexes with inhibitors.